

What is claimed is:

1. An air conditioner for a vehicle, comprising:

a case including an air passage along which air that is blown through a blower unit flows; and

an evaporator and a heater core, which are arranged in the air passage,

wherein the air passage includes a first passage which guides a portion of the air from the blower unit to flow through a first cooling portion of the evaporator, a second passage, which guides the remaining portion of the air from the blower unit to bypass the first cooling portion of the evaporator, an air mixing portion in which the air passed through the first passage and the air passed through the second passage flow together, and a third passage, which is connected to the air mixing portion and guides the air passed through the air mixing portion to flow through a second cooling portion of the evaporator.

2. The air conditioner of claim 1, wherein the heater core is arranged over the first cooling portion and the second cooling portion of the evaporator.

3. The air conditioner of claim 1, wherein an inlet/outlet pipe of the evaporator is arranged in the second passage.

4. The air conditioner of claim 1, wherein the evaporator is inclined at a small angle with a front end in a higher position than a rear end so that air flow from the front end toward the rear end.

5. The air conditioner of claim 1, wherein the first passage and the second passage are separated from one another by a tank portion of the evaporator.

6. The air conditioner of claim 1, wherein a guide plate is installed between the first passage and the third passage to guide the air passed through the first passage toward the third passage.

7. The air conditioner of claim 1, wherein a drain hole is formed in a bottom wall of the case to correspond to the rear end of the evaporator to expel condensed water generated by the evaporator.

8. The air conditioner of claim 1, wherein a drainage way is formed between a rear end of the evaporator and an interior wall of the case to expel condensed water generated by the evaporator.

5

9. The air conditioner of claim 8, wherein a drain hole is formed in a bottom wall of the case to correspond to the rear end of the evaporator to expel condensed water generated by the evaporator.

10. The air conditioner of claim 9, wherein a barrier wall is formed between the third passage and the drainage way below the rear end of the evaporator.

11. The air conditioner of claim 10, wherein the barrier wall is formed to correspond to a center portion of the drain hole.

15

12. The air conditioner of claim 1, wherein 20-30% of the air that is blown through the blower unit passes the first cooling portion of the evaporator through the first passage.